



# **Compass***Data*<sup>®</sup>

## CHECKPOINT SURVEY REPORT

May 26, 2022



**CHECKPOINT SURVEY REPORT**

**140G0221F0273-MN\_BeckerCounty\_2021\_D21**

**PREPARED BY:**



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CompassData Project Number: 6720  
Fieldwork Performed: May 3 to May 8, 2022  
Project Redelivered: May 26, 2022

**PREPARED FOR:**



Merrick & Company  
5970 Greenwood Plaza Blvd.  
Greenwood Village, CO 80111

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# ABBREVIATIONS

Elev	Elevation
Ellip	Ellipsoid
Err	Error
ft	Feet
GNSS	Global Navigation Satellite System
GPS	Global Positioning System
HAE	Height Above Ellipsoid
Horiz	Horizontal
Ht	Height
job	Trimble Proprietary Job File Format
.kml	Keyhole Markup Language
LiDAR	Light Detection and Ranging/Light Imaging, Detection, and Ranging
m	Meters
MN	Minnesota
NAD83 (2011)	North American Datum of 1983, 2011 realization
NAVD88	North American Vertical Datum of 1988
NGS	National Geodetic Survey
OPUS	Online Positioning User Service
Ortho	Orthometric
PDF	Adobe Portable Document Format
PLS	Professional Licensed Surveyor
PSM	Professional Surveyor and Mapper
RTK	Real Time Kinetic
.shp	Shapefile
SPCS	State Plane Coordinate System
T02	Trimble Proprietary Raw Data Format
USft	United States Survey Feet
UTM	Universal Transverse Mercator
Vert	Vertical
WGS84	World Geodetic System of 1984



# 1.0 PROJECT INFORMATION

## 1.1 PURPOSE

Locate and establish coordinates for at least 147 checkpoints in the Becker County area for use in aerial imagery-based mapping project(s) to be performed by Merrick and Company.

## 1.2 LOCATION

All checkpoints fall within Becker County as well as portions of Clearwater and Mahnommen Counties in Minnesota.

All point locations were planned and selected by Merrick. In some instances, a checkpoint may have been moved from the planned location, due to unforeseen circumstances.

See **SURVEY REFERENCE MAP** page 15.

## 1.3 DATES

Survey field work was performed from May 3 to May 8, 2022.

The final report, including this signed survey report and supporting digital files were resubmitted on May 26, 2022.

## 1.4 FIELD AND OFFICE PERSONNEL

Philipp Hummel, PLS, CFedS, CP Project Manager

303.999.3031

Rip Warner, Processing

Nathan Matlock, Field Surveyor

# 2.0 PROCEDURES & METHODS

## 2.1 METHODS

All control points were located using Real Time Kinematic [RTK] positioning, with MNDOT corrections 2x 90-second sessions on each point. Static and Real-time GPS observations with RMSE accuracies of 3.33 cm were collected using a high-quality GPS receiver with differential corrections provided by a GPS base station close to the project area. Network points are measured twice for 90 seconds while static points are measured once for at least 45 minutes. Static points are often surveyed on existing NGS monuments which are quality-reviewed and then used to adjust network points.

At least 30, typically 180 positions (captured at a rate of one per second) were geometrically averaged to calculate a single coordinate for each checkpoint. Digital pictures of each checkpoint were collected in the field, the North and Close-Up pictures are included in this report. checkpoints were selected with an unobstructed view of the sky to ensure proper GPS operation and avoid potential sources of multipath error such as trees, buildings, and fences that may adversely affect the GPS accuracy.

## 2.2 EQUIPMENT

Observations were performed with a Trimble R10 GNSS receiver.

## 2.3 SOFTWARE

Trimble Business Center (TBC) Version 5.60.

# 3.0 ACCURACY SPECIFICATIONS

## 3.1 ACCURACIES

The positional accuracies of this survey meet or exceed:

Horizontal RMSE  $\pm 0.033$  m                      Vertical RMSE  $\pm 0.033$  m for CAL and NVA points

Horizontal RMSE  $\pm 0.033$  m                      Vertical RMSE  $\pm 0.033$  m for VVA points

# 4.0 CONTROL POINTS

## 4.1 HORIZONTAL DATUM

NAD83(2011) Epoch 2010

UTM Zone 15

## 4.2 VERTICAL DATUM

Elevations are based on the NAVD88 (North American Vertical Datum of 1988 based on the Geoid 18).

## 4.3 UNITS

Latitude/Longitude:    Decimal

UTM Coordinates:        Meters

Ortho Elevation:         Meters

Ellipsoid Elevation:     Meters

## 4.4 COORDINATES & DESCRIPTIONS

Error values are presented as meters and were calculated within a 95% confidence interval

Point ID	Latitude	Longitude	HAE	Accuracy H	Accuracy V	Northing	Easting	Collect Date	MSL
CAL3001	46.94891378	-96.06895183	348.861	0.007	0.009	5204059.620	266466.351	5/4/2022	375.692
CAL3002	46.73226590	-95.20223700	425.350	0.008	0.010	5177767.640	331741.607	5/7/2022	452.458
CAL3003	47.10914818	-95.92705087	363.243	0.005	0.009	5221451.121	277929.862	5/4/2022	390.312
CAL3004	47.13725911	-96.13115567	350.610	0.007	0.010	5225175.026	262571.100	5/4/2022	377.436
CAL3004ALT	47.15166578	-96.13102652	353.990	0.006	0.010	5226775.458	262645.087	5/4/2022	380.810
CAL3005	47.14687666	-95.55175407	458.232	0.007	0.014	5224645.433	306538.420	5/6/2022	485.257
CAL3006	46.74498642	-95.39343171	442.606	0.006	0.008	5179607.893	317177.190	5/6/2022	469.389
CAL3007	47.06440193	-95.92232602	363.472	0.007	0.011	5216465.605	278102.412	5/4/2022	390.489
CAL3008	46.90661595	-95.82660349	415.265	0.005	0.006	5198665.751	284737.422	5/5/2022	441.947
CAL3009	46.86203102	-95.26819087	429.562	0.005	0.009	5192329.971	327118.967	5/7/2022	456.473
CAL3010	47.13670656	-95.25494158	458.558	0.007	0.011	5222822.939	329007.762	5/7/2022	485.723
CAL3011	46.86943997	-95.58300282	419.430	0.005	0.008	5193894.894	303152.146	5/6/2022	446.090
CAL3012	47.03597648	-95.33917589	446.596	0.007	0.010	5211817.466	322285.660	5/7/2022	473.470
CAL3013	46.80359856	-95.26786828	431.199	0.006	0.011	5185836.383	326956.010	5/7/2022	458.131
CAL3014	46.88645651	-95.67676824	421.072	0.008	0.010	5196025.233	296071.237	5/6/2022	447.731
CAL3015	46.74435140	-95.64245920	397.876	0.004	0.006	5180146.535	298153.569	5/5/2022	424.518
CAL3016	46.77985851	-95.79661120	391.789	0.004	0.005	5184499.199	286519.491	5/5/2022	418.359
CAL3016ALT	46.78000137	-95.79727801	390.300	0.005	0.006	5184516.885	286469.157	5/5/2022	416.870
CAL3017	46.87726665	-96.13293945	379.089	0.006	0.010	5196291.390	261279.269	5/4/2022	405.814
CAL3018	47.14568698	-95.50988149	455.553	0.008	0.017	5224410.373	309708.596	5/6/2022	482.570
CAL3019	47.08240391	-95.72159855	434.843	0.007	0.009	5217915.955	293412.798	5/5/2022	461.789
CAL3020	46.99195780	-95.97549664	351.536	0.006	0.008	5208568.128	273759.174	5/5/2022	378.425
CAL3021	47.14466029	-95.42184514	476.442	0.006	0.008	5224085.578	316379.401	5/7/2022	503.461
CAL3022	46.74417557	-96.11112865	395.143	0.005	0.010	5181437.155	262355.050	5/3/2022	421.709
CAL3023	46.97819495	-96.11053491	346.841	0.006	0.011	5207437.990	263431.503	5/4/2022	373.710
CAL3023ALT	46.97751586	-96.11071119	346.853	0.006	0.010	5207363.065	263415.099	5/4/2022	373.722
CAL3024	46.86117180	-95.43755211	459.241	0.007	0.010	5192621.520	314207.804	5/8/2022	485.849
CAL3025	47.09454178	-95.19156520	437.118	0.006	0.011	5218000.723	333682.036	5/7/2022	464.253
CAL3025ALT	47.09428638	-95.23399390	451.720	0.006	0.010	5218063.471	330461.426	5/7/2022	478.828
CAL3026	47.02058592	-95.84911163	426.763	0.005	0.007	5211391.726	283484.051	5/5/2022	453.668
CAL3027	46.82566937	-95.85081551	387.804	0.004	0.004	5189738.142	282566.777	5/5/2022	414.405
CAL3027ALT	46.82577468	-95.85082646	388.005	0.003	0.004	5189749.873	282566.366	5/5/2022	414.606
CAL3028	46.97011471	-95.41184763	440.957	0.009	0.011	5204666.530	316539.337	5/7/2022	467.697
CAL3028ALT	46.96996594	-95.41188658	441.043	0.008	0.010	5204650.090	316535.866	5/7/2022	467.783
CAL3029ALT	46.71730615	-95.98914759	386.284	0.005	0.007	5178090.061	271558.592	5/4/2022	412.850
CAL3030	46.92032877	-95.26808710	428.334	0.007	0.012	5198807.707	327314.186	5/7/2022	455.300

CAL3031	46.94931959	-95.24728037	434.541	0.004	0.007	5201983.534	328990.656	5/7/2022	461.570
CAL3032	46.95622790	-95.72927239	416.842	0.004	0.008	5203915.837	292341.368	5/5/2022	443.597
NVA1000	46.96366257	-96.06879677	346.703	0.006	0.010	5205697.965	266542.361	5/4/2022	373.557
NVA1001	46.74676773	-95.20313135	424.487	0.012	0.019	5179380.945	331718.423	5/7/2022	451.595
NVA1002	47.10816030	-95.96028316	352.021	0.005	0.010	5221436.332	275404.591	5/4/2022	379.071
NVA1003	46.96213808	-95.56321402	443.588	0.008	0.013	5204145.809	304996.937	5/6/2022	470.241
NVA1004	47.09415291	-95.58493307	441.367	0.007	0.014	5218869.460	303829.255	5/6/2022	468.235
NVA1005	46.73058641	-95.39222654	425.450	0.008	0.010	5178005.026	317220.565	5/6/2022	452.249
NVA1006	47.04964572	-95.91488252	363.157	0.005	0.007	5214804.840	278606.458	5/4/2022	390.147
NVA1007	46.90537391	-95.81533586	407.299	0.004	0.007	5198496.866	285590.516	5/5/2022	433.979
NVA1008	46.84753735	-95.26829331	430.788	0.005	0.009	5190719.689	327064.614	5/7/2022	457.690
NVA1009	47.13656051	-95.25474952	458.762	0.005	0.008	5222806.290	329021.857	5/7/2022	485.926
NVA1010	46.86619408	-95.59003386	419.743	0.006	0.010	5193551.887	302604.435	5/6/2022	446.402
NVA1011	47.06442531	-95.42416418	468.623	0.006	0.010	5215175.224	315927.064	5/7/2022	495.407
NVA1012	46.80316315	-95.28908786	436.507	0.006	0.011	5185834.963	325335.547	5/7/2022	463.387
NVA1013	46.88305022	-95.67591710	420.177	0.008	0.012	5195644.525	296123.164	5/6/2022	446.833
NVA1014	46.78837346	-95.71082706	404.803	0.004	0.006	5185215.818	293100.203	5/5/2022	431.406
NVA1015	46.76006901	-95.79554539	389.047	0.003	0.004	5182297.416	286522.613	5/5/2022	415.613
NVA1016	46.87570527	-96.13305815	378.935	0.006	0.009	5196118.261	261263.294	5/4/2022	405.656
NVA1017	47.21488109	-95.48794129	534.369	0.010	0.012	5232046.146	311617.008	5/6/2022	561.560
NVA1017ALT	47.21263738	-95.48765026	528.878	0.013	0.015	5231796.117	311631.094	5/6/2022	556.064
NVA1018	47.08082285	-95.72157856	438.469	0.007	0.010	5217740.216	293408.199	5/5/2022	465.412
NVA1019	47.04234021	-95.29715384	451.260	0.006	0.010	5212430.038	325498.842	5/7/2022	478.215
NVA1020	47.14461066	-95.42178811	476.440	0.011	0.012	5224079.929	316383.554	5/7/2022	503.458
NVA1021	46.76733406	-96.09108183	396.759	0.004	0.008	5183949.919	263987.467	5/3/2022	423.310
NVA1022	46.97744638	-96.12986060	345.261	0.006	0.009	5207413.385	261958.483	5/4/2022	372.124
NVA1023	46.84604233	-95.40318337	455.773	0.007	0.009	5190859.579	316775.841	5/7/2022	482.398
NVA1024	47.09432154	-95.23408348	451.581	0.006	0.010	5218067.574	330454.739	5/7/2022	478.689
NVA1025	47.02211642	-95.60773580	433.560	0.008	0.012	5210922.287	301831.955	5/6/2022	460.322
NVA1026	46.77335469	-95.91298649	383.703	0.003	0.005	5184099.346	277609.598	5/4/2022	410.271
NVA1027	46.96925349	-95.45656438	447.147	0.008	0.010	5204676.528	313135.032	5/7/2022	473.832
NVA1028	46.73221363	-96.00545039	409.910	0.004	0.008	5179793.948	270376.058	5/3/2022	436.468
NVA1029	46.91883062	-95.27912756	428.610	0.007	0.009	5198665.609	326468.785	5/7/2022	455.549
NVA1030	46.96399677	-95.24691928	427.390	0.005	0.008	5203613.671	329064.900	5/7/2022	454.425
NVA1031	46.95615463	-95.73610323	418.500	0.005	0.009	5203925.825	291821.381	5/5/2022	445.258
NVA1032	46.80268858	-95.50961716	440.902	0.006	0.008	5186296.217	308507.434	5/6/2022	467.567
NVA1033	46.76046308	-95.47703018	428.157	0.009	0.011	5181525.370	310845.924	5/6/2022	454.888
NVA1034	46.95629994	-95.64822368	426.080	0.008	0.011	5203712.204	298507.986	5/6/2022	452.787
NVA1035	46.84835435	-96.09134037	392.282	0.006	0.009	5192953.066	264322.190	5/4/2022	418.921
NVA1036	47.01874600	-95.53003393	436.800	0.006	0.008	5210353.957	307724.328	5/6/2022	463.506
NVA1037	47.10774134	-95.42342684	468.973	0.008	0.014	5219986.806	316132.242	5/7/2022	495.860
NVA1038	46.73449578	-95.70671323	399.037	0.005	0.007	5179218.416	293207.986	5/5/2022	425.639
NVA1039	47.14597482	-95.56070897	464.739	0.006	0.013	5224567.438	305856.251	5/6/2022	491.762

NVA1040	47.06400183	-95.84833304	444.021	0.006	0.008	5216213.841	283718.881	5/5/2022	471.006
NVA1041	46.82456359	-95.85239676	388.091	0.003	0.003	5189619.654	282441.716	5/5/2022	414.691
NVA1042	46.71778869	-96.17450372	405.167	0.006	0.012	5178698.858	257396.009	5/3/2022	431.743
NVA1043	47.10758432	-96.17319869	330.057	0.006	0.010	5222006.355	259249.347	5/4/2022	356.815
NVA1044	46.74468838	-95.62654503	401.023	0.005	0.008	5180143.243	299370.386	5/5/2022	427.677
NVA1045	47.15025364	-95.80477404	440.733	0.008	0.012	5225678.487	287370.239	5/5/2022	467.848
NVA1046	46.90545021	-96.06900843	377.586	0.006	0.010	5199230.361	266272.897	5/4/2022	404.333
NVA1047	46.82438862	-95.57344531	436.597	0.007	0.011	5188865.021	303716.342	5/6/2022	463.239
NVA1048	46.89016505	-95.45660137	448.100	0.008	0.009	5195888.449	312856.791	5/7/2022	474.716
NVA1049	46.93521840	-96.17418850	339.752	0.005	0.008	5202856.987	258397.188	5/4/2022	366.573
NVA1050	47.03560935	-96.01894369	354.785	0.009	0.010	5213544.986	270643.029	5/4/2022	381.740
NVA1051	47.10809936	-96.04014638	346.813	0.006	0.010	5221662.211	269345.549	5/4/2022	373.787
NVA1052	46.96380903	-95.86860339	422.015	0.004	0.006	5205136.983	281771.704	5/5/2022	448.804
NVA1052ALT	46.96376708	-95.86855969	421.978	0.005	0.006	5205132.199	281774.858	5/5/2022	448.767
NVA1053	46.82598269	-95.96494759	381.269	0.003	0.006	5190095.405	273863.657	5/4/2022	407.810
NVA1054	47.00646173	-95.33919983	445.433	0.007	0.010	5208537.832	322185.825	5/7/2022	472.302
NVA1055	46.92052763	-95.20506510	423.203	0.006	0.008	5198692.929	332112.968	5/7/2022	450.302
NVA1056	47.13178010	-95.72582951	441.371	0.014	0.018	5223413.792	293283.037	5/5/2022	468.423
NVA1057	46.99199674	-95.97101725	355.320	0.006	0.010	5208559.520	274099.905	5/5/2022	382.209
NVA1058	46.78680308	-96.15600886	398.562	0.004	0.008	5186310.242	259117.332	5/3/2022	425.170
NVA1059	46.99045352	-95.77966831	431.869	0.005	0.009	5207853.702	288642.144	5/5/2022	458.694
NVA1060	46.80474300	-95.17348473	407.228	0.008	0.010	5185759.969	334161.010	5/7/2022	434.378
NVA1061	47.02090502	-96.17258832	335.925	0.006	0.009	5212373.063	258904.804	5/4/2022	362.744
NVA1061ALT	47.02082664	-96.17255399	335.913	0.006	0.009	5212364.248	258907.060	5/4/2022	362.731
NVA1062	46.93462165	-95.98514271	356.857	0.005	0.007	5202225.117	272782.950	5/5/2022	383.636
NVA1063	47.02894645	-95.20603176	421.330	0.006	0.010	5210742.531	332378.646	5/7/2022	448.435
NVA2011	46.86581674	-95.59060348	419.384	0.009	0.015	5193511.391	302559.640	5/6/2022	446.044
NVA3001	46.94901453	-96.06911365	348.887	0.008	0.013	5204071.297	266454.477	5/8/2022	375.718
NVA3002	46.73236744	-95.20209405	425.177	0.007	0.010	5177778.616	331752.844	5/7/2022	452.285
NVA3005	47.14685729	-95.55181713	458.155	0.007	0.017	5224643.436	306533.569	5/6/2022	485.180
NVA3006	46.74491197	-95.39347313	442.844	0.008	0.010	5179599.716	317173.774	5/6/2022	469.626
NVA3011	46.86944813	-95.58311057	419.527	0.005	0.009	5193896.071	303143.965	5/6/2022	446.187
NVA3012	47.03584913	-95.33901595	446.232	0.006	0.009	5211802.952	322297.388	5/7/2022	473.107
NVA3014	46.88637393	-95.67679413	421.194	0.007	0.009	5196016.123	296068.952	5/6/2022	447.853
NVA3018	47.14562377	-95.50979013	455.947	0.008	0.015	5224403.127	309715.296	5/6/2022	482.964
NVA3028	46.97000062	-95.41178467	441.135	0.008	0.010	5204653.704	316543.736	5/7/2022	467.875
VVA2001	46.96347385	-96.06981003	342.826	0.005	0.009	5205680.016	266464.461	5/4/2022	369.680
VVA2002	46.74622904	-95.20277364	424.126	0.142	0.335	5179320.321	331744.068	5/7/2022	451.234
VVA2002ALT	46.74607326	-95.20277904	424.221	0.010	0.017	5179303.023	331743.171	5/7/2022	451.329
VVA2003	47.10833580	-95.95996535	351.641	0.005	0.010	5221454.919	275429.440	5/4/2022	378.691
VVA2004	46.96218470	-95.56194419	441.853	0.007	0.012	5204147.830	305093.708	5/6/2022	468.506
VVA2005	47.09398413	-95.58617622	444.511	0.006	0.012	5218853.826	303734.296	5/6/2022	471.379
VVA2006	46.73087125	-95.39200629	424.380	0.007	0.010	5178036.166	317238.355	5/6/2022	451.178

VVA2007	47.04990503	-95.91563694	363.149	0.007	0.009	5214835.789	278550.236	5/4/2022	390.139
VVA2008	46.90567107	-95.81456080	402.373	0.007	0.012	5198527.766	285650.726	5/5/2022	429.053
VVA2009	46.84780982	-95.26807717	429.207	0.006	0.011	5190749.489	327081.967	5/7/2022	456.110
VVA2010	47.13726628	-95.25485386	457.700	0.010	0.013	5222884.945	329016.209	5/7/2022	484.866
VVA2011	46.86581674	-95.59060348	419.384	0.009	0.015	5193511.391	302559.640	5/6/2022	446.044
VVA2012	47.06427688	-95.42395979	467.544	0.006	0.011	5215158.250	315942.072	5/7/2022	494.327
VVA2013	46.80667905	-95.28948568	437.304	0.008	0.014	5186226.525	325316.579	5/7/2022	464.177
VVA2014	46.88264197	-95.67688633	422.494	0.011	0.016	5195601.682	296047.774	5/6/2022	449.149
VVA2015	46.78843696	-95.71125184	404.348	0.005	0.007	5185223.992	293068.028	5/5/2022	430.950
VVA2016	46.75964320	-95.79521781	389.405	0.004	0.006	5182249.213	286545.944	5/5/2022	415.970
VVA2017	46.87541132	-96.13340926	376.557	0.006	0.009	5196086.668	261235.236	5/4/2022	403.278
VVA2018	47.21499383	-95.48811196	533.423	0.014	0.014	5232059.086	311604.485	5/6/2022	560.614
VVA2019	47.08035415	-95.72259891	439.935	0.008	0.011	5217690.831	293328.936	5/5/2022	466.878
VVA2020	47.04303146	-95.29705234	452.714	0.007	0.011	5212506.624	325508.807	5/7/2022	479.670
VVA2021	47.14348881	-95.42310270	474.593	0.011	0.013	5223958.358	316280.021	5/7/2022	501.606
VVA2022	46.76778908	-96.09103738	395.966	0.004	0.008	5184000.344	263992.850	5/3/2022	422.517
VVA2023	46.97756809	-96.12592093	345.263	0.006	0.011	5207414.939	262258.634	5/4/2022	372.126
VVA2024	46.84630046	-95.40167097	454.806	0.007	0.009	5190884.733	316892.023	5/7/2022	481.431
VVA2025	47.09491855	-95.23332360	453.524	0.008	0.013	5218132.266	330514.300	5/7/2022	480.633
VVA2026	47.02223016	-95.60810187	429.717	0.010	0.040	5210935.852	301804.560	5/6/2022	456.480
VVA2027	46.77491197	-95.91339028	381.989	0.004	0.006	5184273.523	277585.189	5/4/2022	408.557
VVA2027ALT	46.77486186	-95.91304013	382.334	0.003	0.005	5184266.964	277611.713	5/4/2022	408.902
VVA2028	46.97108622	-95.45572934	448.307	0.009	0.010	5204878.187	313204.934	5/7/2022	474.995
VVA2029ALT	46.73181355	-95.97877710	395.478	0.009	0.018	5179671.935	272412.170	5/3/2022	422.036
VVA2030	46.91993405	-95.27657272	426.846	0.007	0.010	5198782.570	326666.863	5/7/2022	453.792
VVA2030ALT	46.91989479	-95.27661393	427.280	0.006	0.013	5198778.298	326663.599	5/7/2022	454.226
VVA2031	46.96426554	-95.24751497	430.734	0.008	0.012	5203644.836	329020.441	5/7/2022	457.768
VVA2032	46.95657231	-95.73777936	416.046	0.004	0.007	5203976.691	291695.480	5/5/2022	442.805
VVA2032ALT	46.95650079	-95.73904445	416.140	0.009	0.017	5203972.108	291598.952	5/5/2022	442.899
VVA2033	46.80285805	-95.50744998	438.319	0.006	0.009	5186309.766	308673.392	5/6/2022	464.984
VVA2034	46.76006956	-95.47739532	427.285	0.008	0.010	5181482.522	310816.664	5/6/2022	454.017
VVA2035	46.95673666	-95.64836005	425.509	0.011	0.012	5203761.082	298499.251	5/6/2022	452.217
VVA2036	46.84853221	-96.11443275	386.589	0.006	0.010	5193042.449	262562.566	5/4/2022	413.248
VVA2037	47.02197903	-95.53478903	442.787	0.008	0.013	5210724.901	307374.604	5/6/2022	469.498
VVA2038	47.10274715	-95.42321688	470.970	0.008	0.012	5219431.351	316130.966	5/7/2022	497.842
VVA2039	46.73997936	-95.70562682	396.242	0.004	0.007	5179824.860	293311.952	5/5/2022	422.846
VVA2040	47.14572448	-95.56104192	465.927	0.007	0.012	5224540.448	305830.097	5/6/2022	492.950
VVA2041	47.06596829	-95.84981749	445.869	0.007	0.010	5216436.457	283614.133	5/5/2022	472.858
VVA2042	46.82395859	-95.85639424	389.709	0.004	0.005	5189563.516	282134.389	5/5/2022	416.309
VVA2043	46.71776989	-96.16781509	403.818	0.039	0.050	5178676.153	257907.057	5/3/2022	430.395
VVA2043ALT	46.71719415	-96.16822045	411.914	0.004	0.009	5178613.430	257873.502	5/3/2022	438.491
VVA2044	47.10774834	-96.17230076	329.584	0.006	0.011	5222021.814	259318.208	5/4/2022	356.344
VVA2044ALT	47.10754362	-96.17295814	329.114	0.007	0.012	5222001.091	259267.412	5/4/2022	355.873

VVA2044RE	47.10782585	-96.16906347	328.865	0.007	0.012	5222020.459	259564.152	5/8/2022	355.630
VVA2045	46.74490463	-95.62686095	399.348	0.005	0.008	5180168.077	299347.058	5/5/2022	426.001
VVA2046	47.15043265	-95.80339824	437.654	0.009	0.012	5225694.634	287475.247	5/5/2022	464.770
VVA2047	46.90563652	-96.06948675	376.990	0.005	0.009	5199252.489	266237.282	5/4/2022	403.738
VVA2048	46.82464925	-95.57958331	434.133	0.005	0.008	5188909.344	303249.151	5/6/2022	460.777
VVA2049	46.88975198	-95.45702375	445.500	0.008	0.009	5195843.557	312823.177	5/7/2022	472.117
VVA2050	46.93503056	-96.17493355	339.235	0.005	0.009	5202838.413	258339.636	5/4/2022	366.056
VVA2051	47.03539328	-96.01907774	354.104	0.014	0.040	5213521.371	270631.918	5/4/2022	381.059

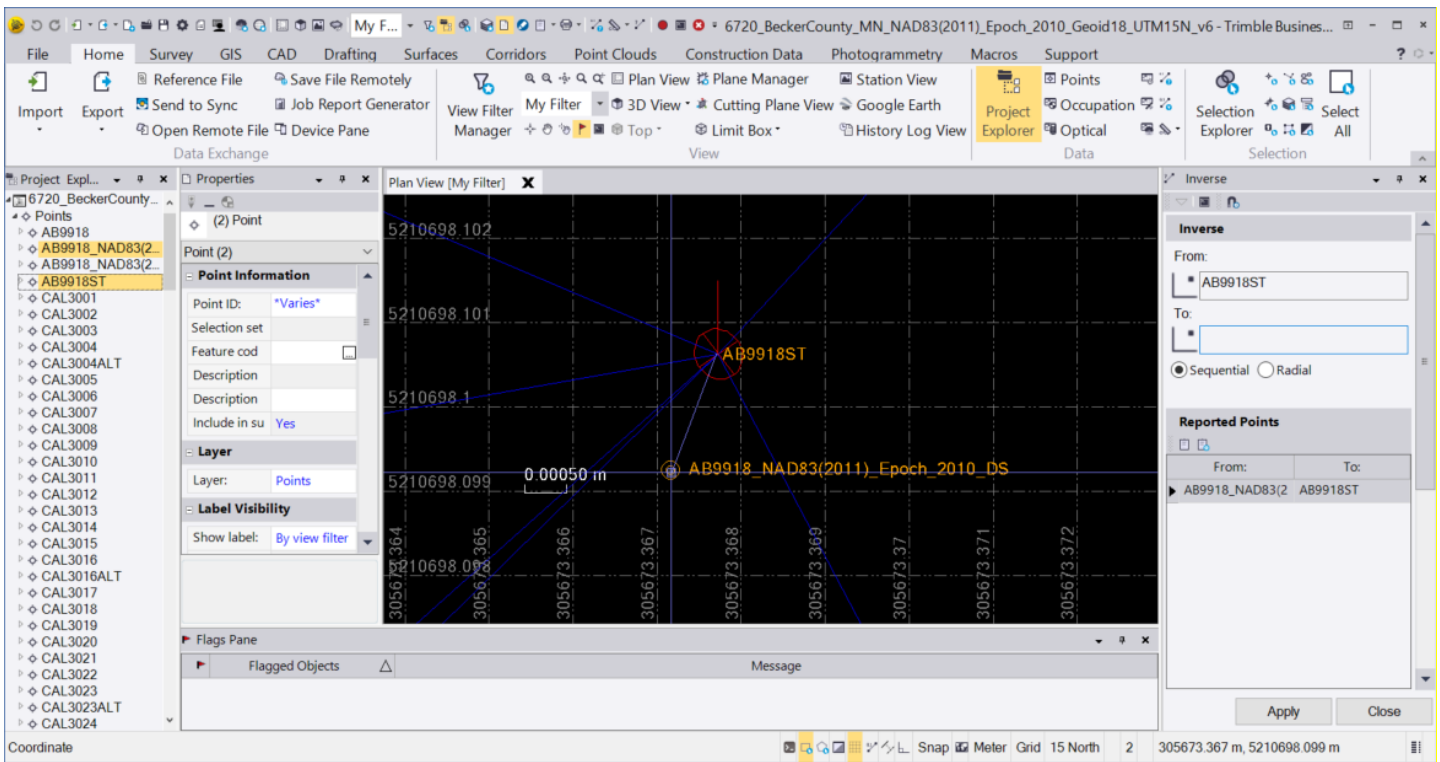
# RTK SOLUTION

## Inverse Results

Monument: AB9918

### Inverse Results

From	To	Geodetic Azimuth	Ellipsoid Distance (Meter)	Grid Azimuth	Grid Distance (Meter)	Ground Distance (Meter)	$\Delta$ Elevation (Meter)
<a href="#">AB9918_NAD83(2011)_Epoch_2010_DS</a>	<a href="#">AB9918ST</a>	20°40'46"	0.001	22°33'03"	0.001	0.001	-0.011



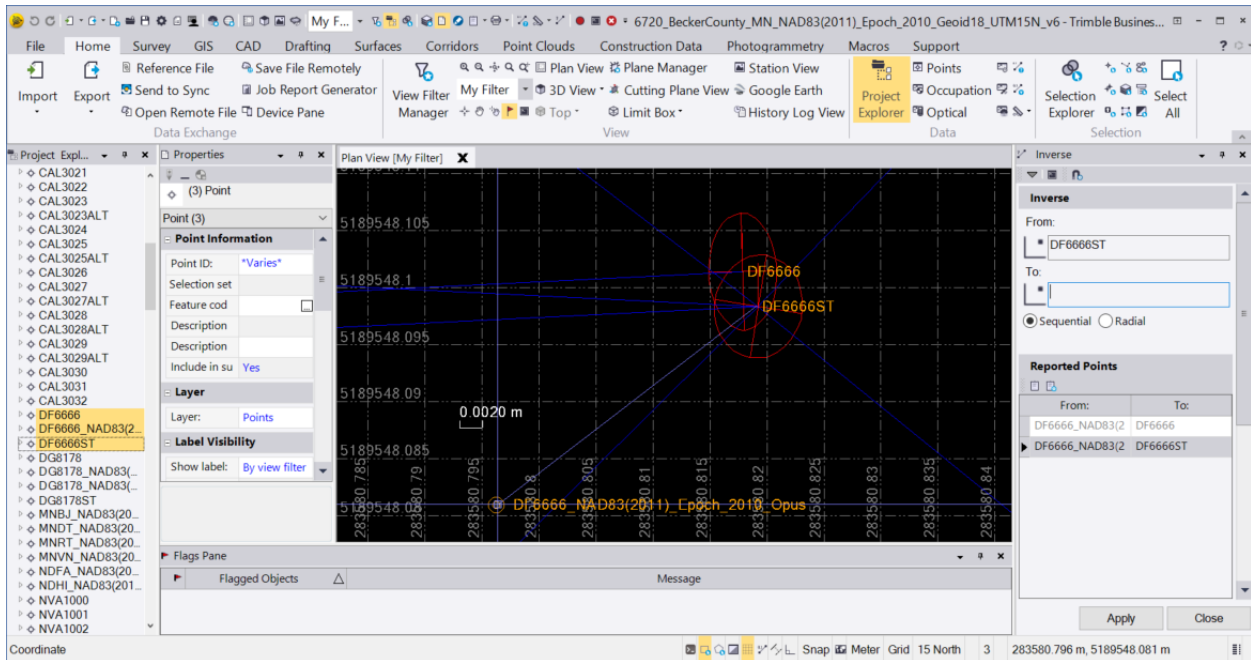


## Monument: DF6666

Datasheet unavailable from NGS – OPUS solution used instead

### Inverse Results

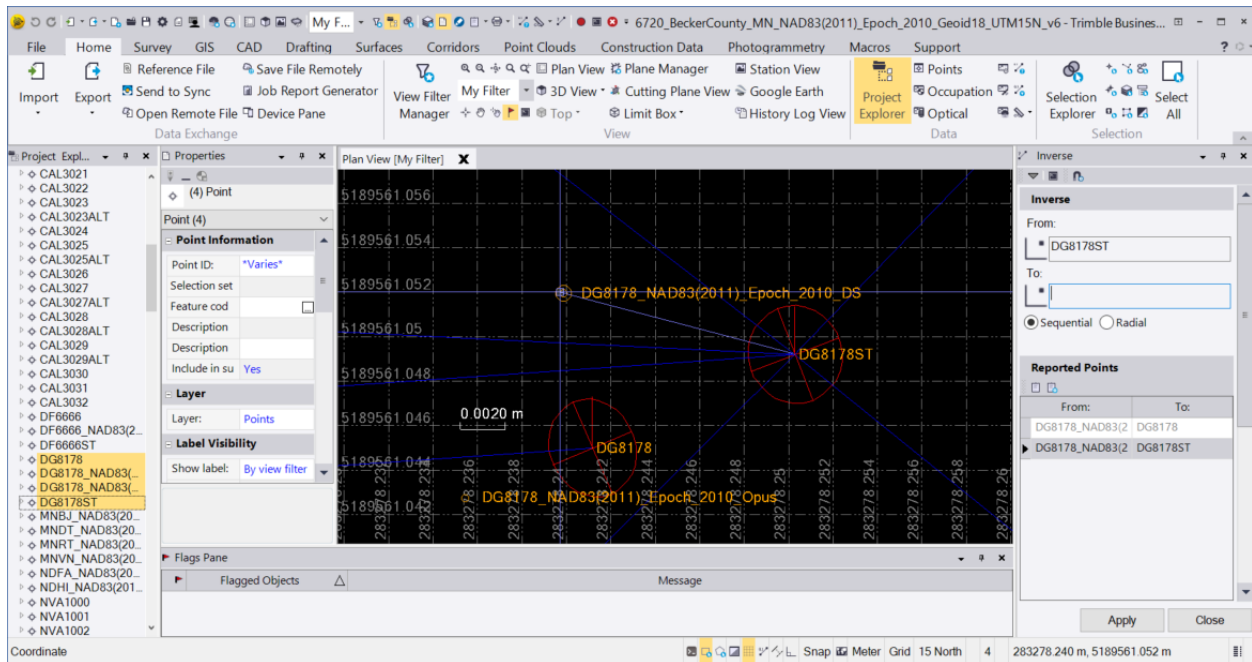
From	To	Geodetic Azimuth	Ellipsoid Distance (Meter)	Grid Azimuth	Grid Distance (Meter)	Ground Distance (Meter)	Δ Elevation (Meter)
<a href="#">DF6666 NAD83(2011) Epoch 2010 Opus</a>	<a href="#">DF6666</a>	44°31'32"	0.030	46°35'45"	0.030	0.030	0.023
<a href="#">DF6666 NAD83(2011) Epoch 2010 Opus</a>	<a href="#">DF6666ST</a>	50°46'48"	0.029	52°51'00"	0.029	0.029	0.010



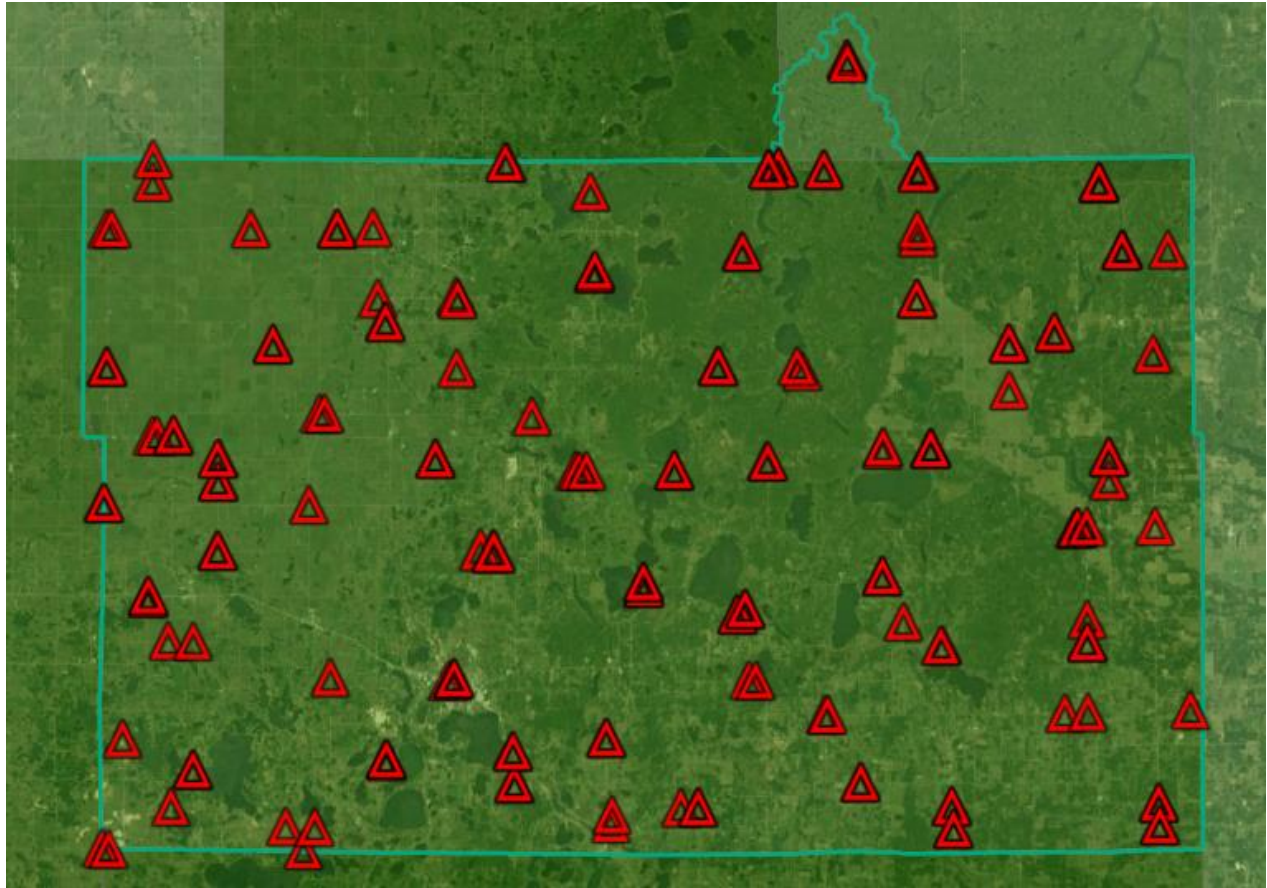
# Monument DG8178

## Inverse Results

From	To	Geodetic Azimuth	Ellipsoid Distance (Meter)	Grid Azimuth	Grid Distance (Meter)	Ground Distance (Meter)	Δ Elevation (Meter)
<a href="#">DG8178_NAD83(2011)_Epoch_2010_DS</a>	<a href="#">DG8178</a>	167°30'48"	0.007	169°35'10"	0.007	0.007	-0.009
<a href="#">DG8178_NAD83(2011)_Epoch_2010_DS</a>	<a href="#">DG8178ST</a>	102°43'35"	0.011	104°47'58"	0.011	0.011	-0.002



# SURVEY REFERENCE MAP



# STATION DIAGRAMS


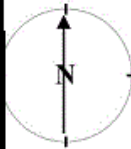
Station diagrams for each photo-identifiable point (38).



## GCP Station Diagram for Aerial & Satellite Imagery

<b>Project Name:</b> Becker County	<b>GCP Number:</b> CAL3001
<b>CDI Project Number:</b> 6720	<b>Date:</b> 05/04/2022
<b>Feature Elevation:</b>	
<b>GPS Antenna Height:</b> 2.000 meters	<b>Mode (BOAM, BOQR, other):</b> BOQR
<b>Description:</b> The point sits at the corner of a white painted traffic stripe	
<b>Feature elevation (m):</b>	
<b>Collected By:</b> NM	<b>Sketch</b> <u>  1  </u> <b>of</b> <u>  1  </u>

## GCP Station Diagram for Aerial & Satellite Imagery

<b>Project Name:</b> Becker County	<b>GCP Number:</b> CAL3002
<b>CDI Project Number:</b> 6720	<b>Date:</b> 05/08/2022
Field	Field
Dirt Road	Dirt Road
Highway	
Field	Field
<b>Feature Elevation:</b> <div style="border: 1px solid black; width: 100px; height: 100px; margin-top: 5px;"></div>	
	
<b>GPS Antenna Height:</b> 2.000 meters	<b>Mode (BOAM, BOQR, other):</b> BOQR
<b>Description:</b> The point sits at the corner of a white painted fog line	
<b>Feature elevation (m):</b>	
<b>Collected By:</b> NM	<b>Sketch</b> <u>  1  </u> <b>of</b> <u>  1  </u>

## GCP Station Diagram for Aerial & Satellite Imagery

<b>Project Name:</b> Becker County	<b>GCP Number:</b> CAL3003
<b>CDI Project Number:</b> 6720	<b>Date:</b> 05/04/2022
<b>Feature Elevation:</b>	
<div style="border: 1px solid black; width: 100%; height: 100%;"></div>	
<b>GPS Antenna Height:</b> 2.000 meters <b>Mode (BOAM, BOQR, other):</b> BOQR	
<b>Description:</b> The point sits at the corner of a white painted traffic stripe	
<b>Feature elevation (m):</b>	
<b>Collected By:</b> NM	<b>Sketch</b> <u>  1  </u> <b>of</b> <u>  1  </u>

## GCP Station Diagram for Aerial & Satellite Imagery

<b>Project Name:</b> Becker County	<b>GCP Number:</b> CAL3004
<b>CDI Project Number:</b> 6720	<b>Date:</b> 05/04/2022
<b>Feature Elevation:</b>	
<input style="width: 100%; height: 20px;" type="text"/>	
<b>GPS Antenna Height:</b> 2.000 meters	<b>Mode (BOAM, BOQR, other):</b> BOQR
<b>Description:</b> The point sits at the corner of what remains of a white fog line.	
<b>Feature elevation (m):</b>	
<b>Collected By:</b> NM	<b>Sketch</b> <u>  1  </u> <b>of</b> <u>  1  </u>



## GCP Station Diagram for Aerial & Satellite Imagery

<b>Project Name:</b> Becker County	<b>GCP Number:</b> CAL3004_ALT
<b>CDI Project Number:</b> 6720	<b>Date:</b> 05/04/2022
<b>Feature Elevation:</b>	<b>Mode (BOAM, BOQR, other):</b> BOQR
<b>Description:</b> The point sits at the corner of a white painted fog line	
<b>Feature elevation (m):</b>	
<b>Collected By:</b> NM	<b>Sketch</b> <u>  1  </u> <b>of</b> <u>  1  </u>



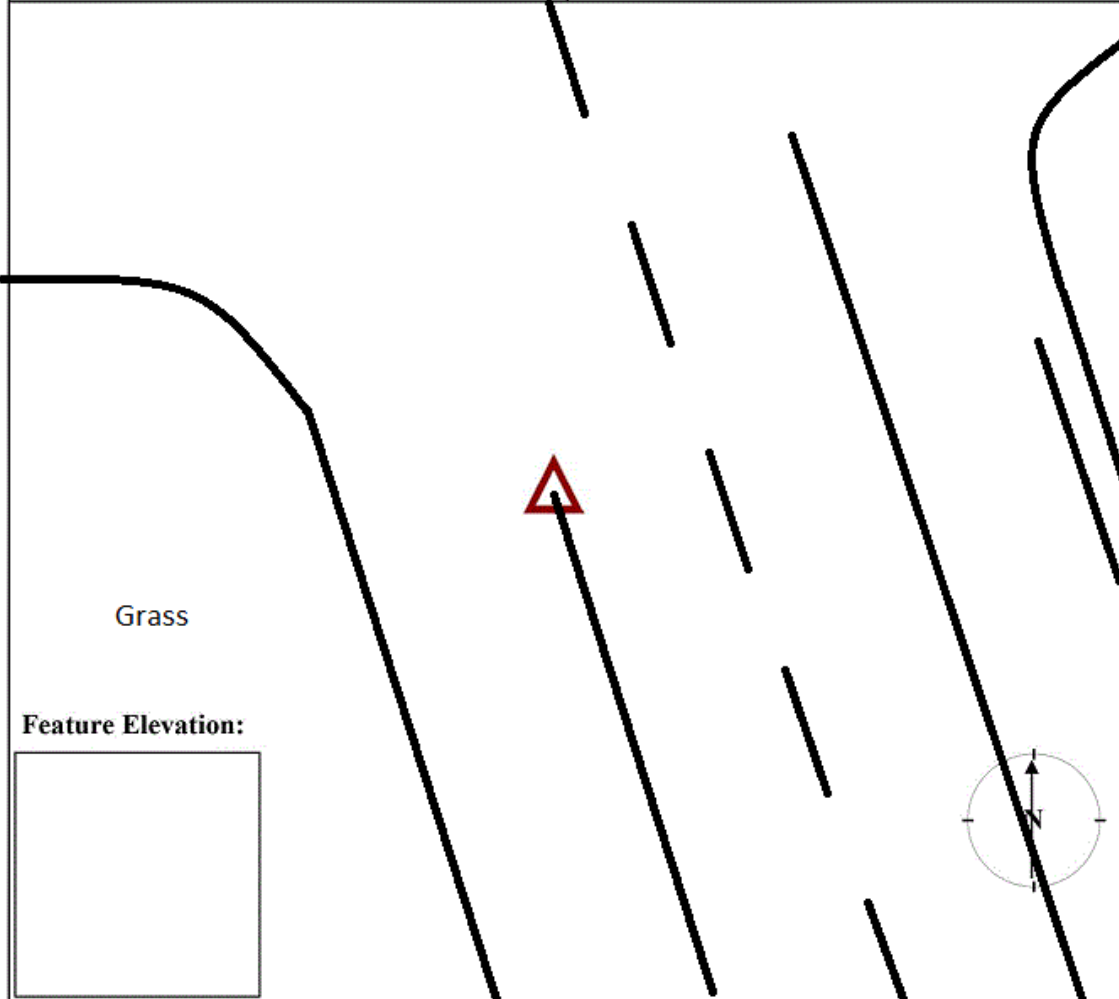
## GCP Station Diagram for Aerial & Satellite Imagery

<b>Project Name:</b> Becker County	<b>GCP Number:</b> CAL3005
<b>CDI Project Number:</b> 6720	<b>Date:</b> 05/06/2022
<b>Feature Elevation:</b>	
<b>GPS Antenna Height:</b> 2.000 meters	<b>Mode (BOAM, BOQR, other):</b> BOQR
<b>Description:</b> The point sits at the corner of a concrete drain and asphalt road	
<b>Feature elevation (m):</b>	
<b>Collected By:</b> NM	<b>Sketch</b> <u>  1  </u> <b>of</b> <u>  1  </u>

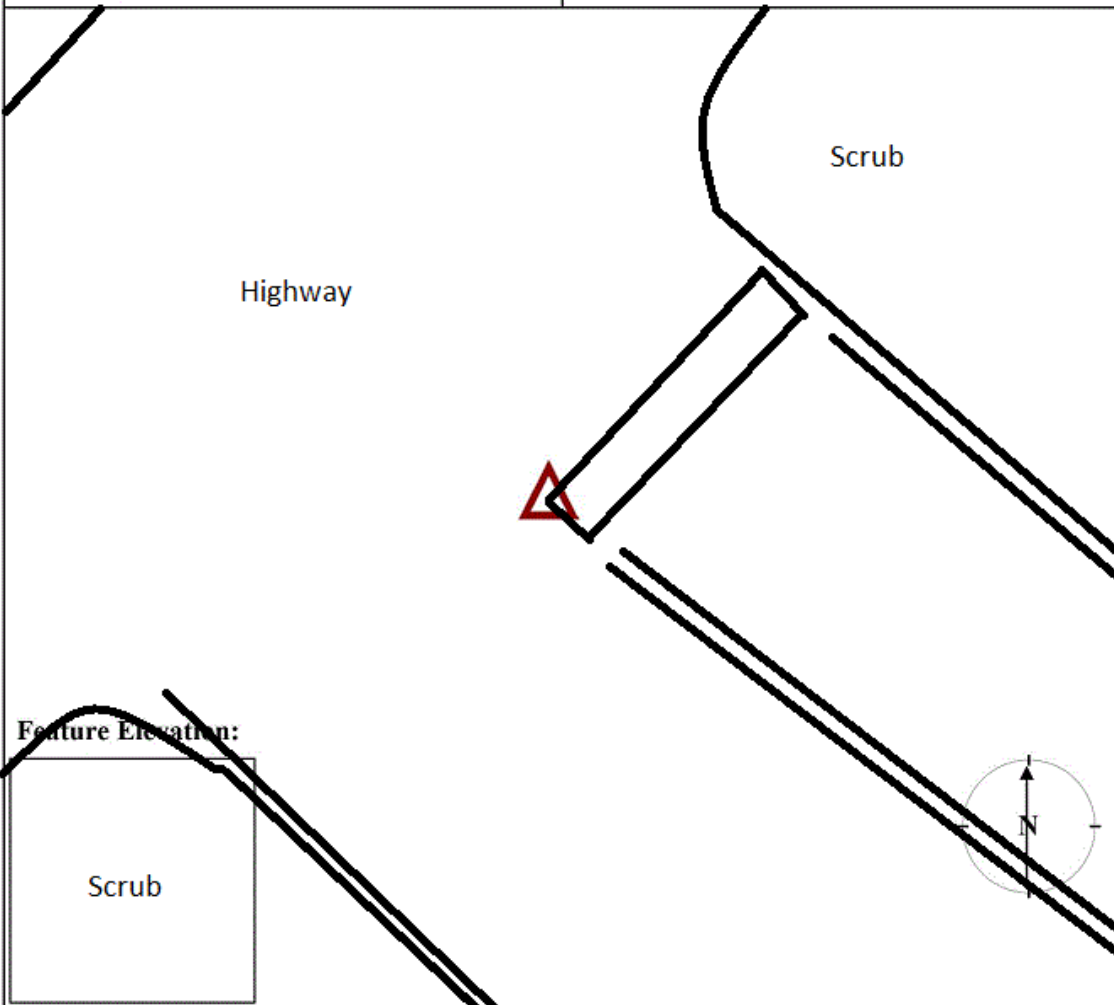
## GCP Station Diagram for Aerial & Satellite Imagery

<b>Project Name:</b> Becker County	<b>GCP Number:</b> CAL3006
<b>CDI Project Number:</b> 6720	<b>Date:</b> 05/06/2022
<b>GPS Antenna Height:</b> 2.000 meters	<b>Mode (BOAM, BOQR, other):</b> BOQR
<b>Description:</b> The point sits at the corner of a white painted fog line	
<b>Feature elevation (m):</b>	
<b>Collected By:</b> NM	<b>Sketch</b> <u>  1  </u> <b>of</b> <u>  1  </u>

## GCP Station Diagram for Aerial & Satellite Imagery

<b>Project Name:</b> Becker County	<b>GCP Number:</b> CAL3007
<b>CDI Project Number:</b> 6720	<b>Date:</b> 05/04/2022
<div style="display: flex; justify-content: space-between; align-items: center;"> <div style="width: 40%;"> <p style="margin-bottom: 10px;">Grass</p> <p><b>Feature Elevation:</b></p> <div style="border: 1px solid black; width: 100px; height: 100px; margin-top: 5px;"></div> </div> <div style="width: 55%; text-align: center;">  </div> </div>	
<b>GPS Antenna Height:</b> 2.000 meters	<b>Mode (BOAM, BOQR, other):</b> BOQR
<b>Description:</b> The point sits at the corner of a white painted traffic stripe	
<b>Feature elevation (m):</b>	
<b>Collected By:</b> NM	<b>Sketch</b> <u>  1  </u> <b>of</b> <u>  1  </u>

## GCP Station Diagram for Aerial & Satellite Imagery

<b>Project Name:</b> Becker County	<b>GCP Number:</b> CAL3008
<b>CDI Project Number:</b> 6720	<b>Date:</b> 05/05/2022
	
<b>GPS Antenna Height:</b> 2.000 meters <b>Mode (BOAM, BOQR, other):</b> BOQR	
<b>Description:</b> The point sits at the corner of a white painted stop bar	
<b>Feature elevation (m):</b>	
<b>Collected By:</b> NM	
<b>Sketch</b> <u>  1  </u> <b>of</b> <u>  1  </u>	

## GCP Station Diagram for Aerial & Satellite Imagery

<b>Project Name:</b> Becker County	<b>GCP Number:</b> CAL3009
<b>CDI Project Number:</b> 6720	<b>Date:</b> 05/08/2022
<b>GPS Antenna Height:</b> 2.000 meters	<b>Mode (BOAM, BOQR, other):</b> BOQR
<b>Description:</b> The point sits at the corner of a white painted fog line	
<b>Feature elevation (m):</b>	
<b>Collected By:</b> NM	<b>Sketch</b> <u>  1  </u> <b>of</b> <u>  1  </u>

## GCP Station Diagram for Aerial & Satellite Imagery

<b>Project Name:</b> Becker County	<b>GCP Number:</b> CAL3010
<b>CDI Project Number:</b> 6720	<b>Date:</b> 05/07/2022
<b>GPS Antenna Height:</b> 2.000 meters	<b>Mode (BOAM, BOQR, other):</b> BOQR
<b>Description:</b> The point sits at the corner of a white painted fog line	
<b>Feature elevation (m):</b>	
<b>Collected By:</b> NM	<b>Sketch</b> <u>  1  </u> <b>of</b> <u>  1  </u>

## GCP Station Diagram for Aerial & Satellite Imagery

<b>Project Name:</b> Becker County	<b>GCP Number:</b> CAL3011
<b>CDI Project Number:</b> 6720	<b>Date:</b> 05/06/2022
<b>Feature Elevation:</b>	<b>GPS Antenna Height:</b> 2.000 meters
<div style="border: 1px solid black; width: 100px; height: 100px;"></div>	<b>Mode (BOAM, BOQR, other):</b> BOQR
<b>Description:</b> The point sits at the corner of a white painted fog line	
<b>Feature elevation (m):</b>	
<b>Collected By:</b> NM	<b>Sketch</b> <u>  1  </u> <b>of</b> <u>  1  </u>

## GCP Station Diagram for Aerial & Satellite Imagery

<b>Project Name:</b> Becker County	<b>GCP Number:</b> CAL3012
<b>CDI Project Number:</b> 6720	<b>Date:</b> 05/07/2022
<b>Feature Elevation:</b>	
<b>GPS Antenna Height:</b> 2.000 meters	<b>Mode (BOAM, BOQR, other):</b> BOQR
<b>Description:</b> The point sits at the corner of a white painted fog line	
<b>Feature elevation (m):</b>	
<b>Collected By:</b> NM	<b>Sketch</b> <u>  1  </u> <b>of</b> <u>  1  </u>



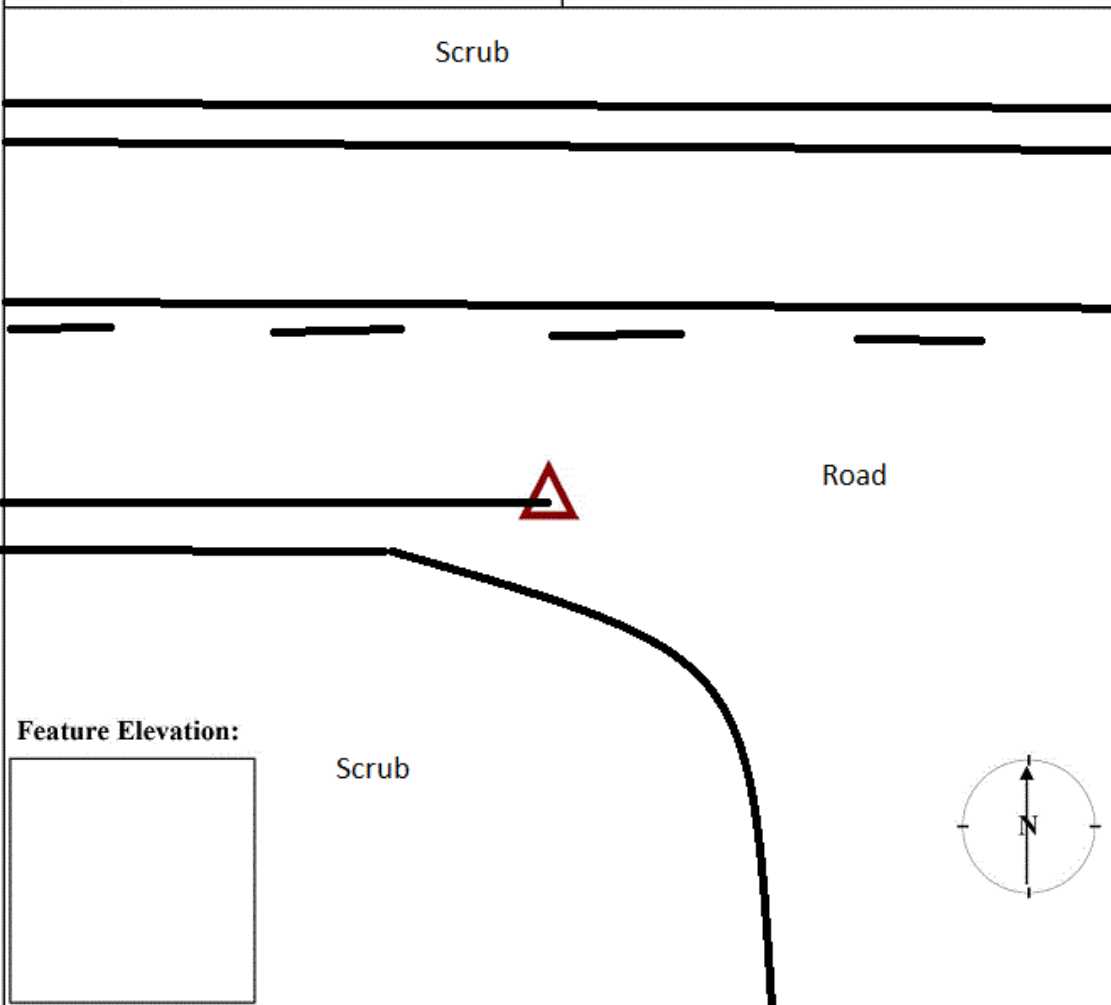
## GCP Station Diagram for Aerial & Satellite Imagery

<b>Project Name:</b> Becker County	<b>GCP Number:</b> CAL3013
<b>CDI Project Number:</b> 6720	<b>Date:</b> 05/08/2022
<b>Feature Elevation:</b>	
<b>GPS Antenna Height:</b> 2.000 meters	<b>Mode (BOAM, BOQR, other):</b> BOQR
<b>Description:</b> The point sits at the corner of a white painted fog line	
<b>Feature elevation (m):</b>	
<b>Collected By:</b> NM	<b>Sketch</b> <u>  1  </u> <b>of</b> <u>  1  </u>

## GCP Station Diagram for Aerial & Satellite Imagery

<b>Project Name:</b> Becker County	<b>GCP Number:</b> CAL3014
<b>CDI Project Number:</b> 6720	<b>Date:</b> 05/06/2022
<b>GPS Antenna Height:</b> 2.000 meters	<b>Mode (BOAM, BOQR, other):</b> BOQR
<b>Description:</b> The point sits at the corner of a white painted fog line	
<b>Feature elevation (m):</b>	
<b>Collected By:</b> NM	<b>Sketch</b> <u>  1  </u> <b>of</b> <u>  1  </u>

## GCP Station Diagram for Aerial & Satellite Imagery

<b>Project Name:</b> Becker County	<b>GCP Number:</b> CAL3015
<b>CDI Project Number:</b> 6720	<b>Date:</b> 05/05/2022
<p>Scrub</p> 	
<b>Feature Elevation:</b>	
<div style="border: 1px solid black; width: 100%; height: 100%;"></div>	
<b>GPS Antenna Height:</b> 2.000 meters	<b>Mode (BOAM, BOQR, other):</b> BOQR
<b>Description:</b> The point sits at the corner of a white painted traffic stripe	
<b>Feature elevation (m):</b>	
<b>Collected By:</b> NM	<b>Sketch</b> <u>  1  </u> <b>of</b> <u>  1  </u>

## GCP Station Diagram for Aerial & Satellite Imagery

<b>Project Name:</b> Becker County	<b>GCP Number:</b> CAL3016
<b>CDI Project Number:</b> 6720	<b>Date:</b> 05/05/2022
<b>GPS Antenna Height:</b> 2.000 meters	<b>Mode (BOAM, BOQR, other):</b> BOQR
<b>Description:</b> The point sits at the corner of a white traffic stripe	
<b>Feature elevation (m):</b>	
<b>Collected By:</b> NM	<b>Sketch</b> <u>  1  </u> <b>of</b> <u>  1  </u>

## GCP Station Diagram for Aerial & Satellite Imagery

<b>Project Name:</b> Becker County	<b>GCP Number:</b> CAL3016_ALT
<b>CDI Project Number:</b> 6720	<b>Date:</b> 05/05/2022
<b>Feature Elevation:</b>	<b>Mode (BOAM, BOQR, other):</b> BOQR
<b>Description:</b> The point sits at the corner of a white painted traffic stripe	
<b>Feature elevation (m):</b>	
<b>Collected By:</b> NM	<b>Sketch</b> <u>  1  </u> <b>of</b> <u>  1  </u>

## GCP Station Diagram for Aerial & Satellite Imagery

<b>Project Name:</b> Becker County	<b>GCP Number:</b> CAL3017
<b>CDI Project Number:</b> 6720	<b>Date:</b> 05/04/2022
<b>Feature Elevation:</b>	<b>Mode (BOAM, BOQR, other):</b> BOQR
<b>Description:</b> The point sits at the corner of a white painted traffic stripe	
<b>Feature elevation (m):</b>	
<b>Collected By:</b> NM	<b>Sketch</b> <u>  1  </u> <b>of</b> <u>  1  </u>

## GCP Station Diagram for Aerial & Satellite Imagery

<b>Project Name:</b> Becker County	<b>GCP Number:</b> CAL3018
<b>CDI Project Number:</b> 6720	<b>Date:</b> 05/06/2022
<b>Feature Elevation:</b>	<b>GPS Antenna Height:</b> 2.000 meters
<div style="border: 1px solid black; width: 100px; height: 100px;"></div>	<b>Mode (BOAM, BOQR, other):</b> BOQR
<b>Description:</b> The point sits at the corner of a white painted fog line	
<b>Feature elevation (m):</b>	
<b>Collected By:</b> NM	<b>Sketch</b> <u>  1  </u> <b>of</b> <u>  1  </u>

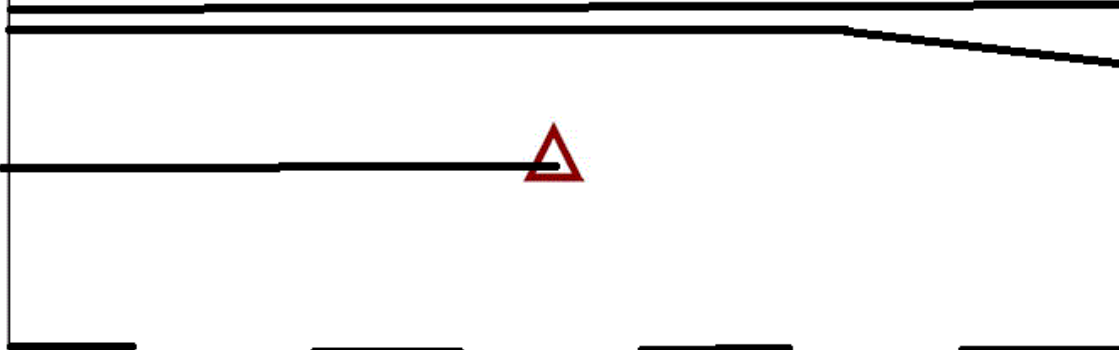
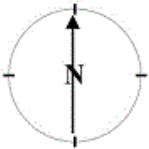
## GCP Station Diagram for Aerial & Satellite Imagery

<b>Project Name:</b> Becker County	<b>GCP Number:</b> CAL3019
<b>CDI Project Number:</b> 6720	<b>Date:</b> 05/05/2022
<b>Feature Elevation:</b>	<b>Mode (BOAM, BOQR, other):</b> BOQR
<div style="border: 1px solid black; width: 150px; height: 100px; display: flex; align-items: center; justify-content: center;">             Dirt Road/Parking Lot           </div>	<b>Description:</b> The point sits at the corner of a white painted fog line
<b>Feature elevation (m):</b>	
<b>Collected By:</b> NM	<b>Sketch</b> <u>  1  </u> of <u>  1  </u>



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## GCP Station Diagram for Aerial & Satellite Imagery

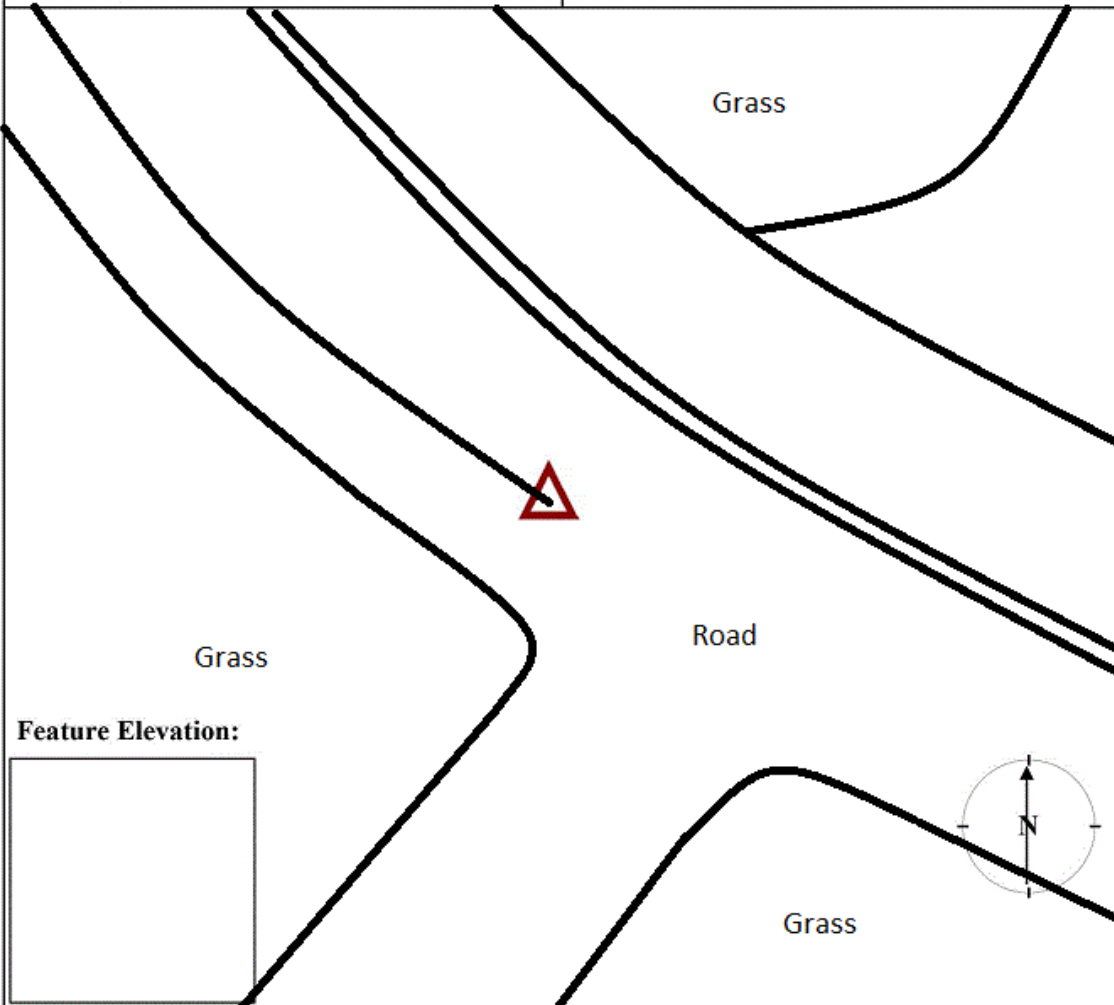
<b>Project Name:</b> Becker County	<b>GCP Number:</b> CAL3020
<b>CDI Project Number:</b> 6720	<b>Date:</b> 05/05/2022
Field	
	
<b>Feature Elevation:</b>	
<input style="width: 100%; height: 40px;" type="text"/>	Field
<b>GPS Antenna Height:</b> 2.000 meters <b>Mode (BOAM, BOQR, other):</b> BOQR	
<b>Description:</b> The point sits at the corner of a white traffic line.	
<b>Feature elevation (m):</b>	
<b>Collected By:</b> NM	<b>Sketch</b> <u>  1  </u> <b>of</b> <u>  1  </u>

## GCP Station Diagram for Aerial & Satellite Imagery

<b>Project Name:</b> Becker County	<b>GCP Number:</b> CAL3021
<b>CDI Project Number:</b> 6720	<b>Date:</b> 05/07/2022
<b>Feature Elevation:</b>	
<b>GPS Antenna Height:</b> 2.000 meters <b>Mode (BOAM, BOQR, other):</b> BOQR	
<b>Description:</b> The point sits at the corner of a white painted fog line	
<b>Feature elevation (m):</b>	
<b>Collected By:</b> NM	<b>Sketch</b> <u>  1  </u> <b>of</b> <u>  1  </u>

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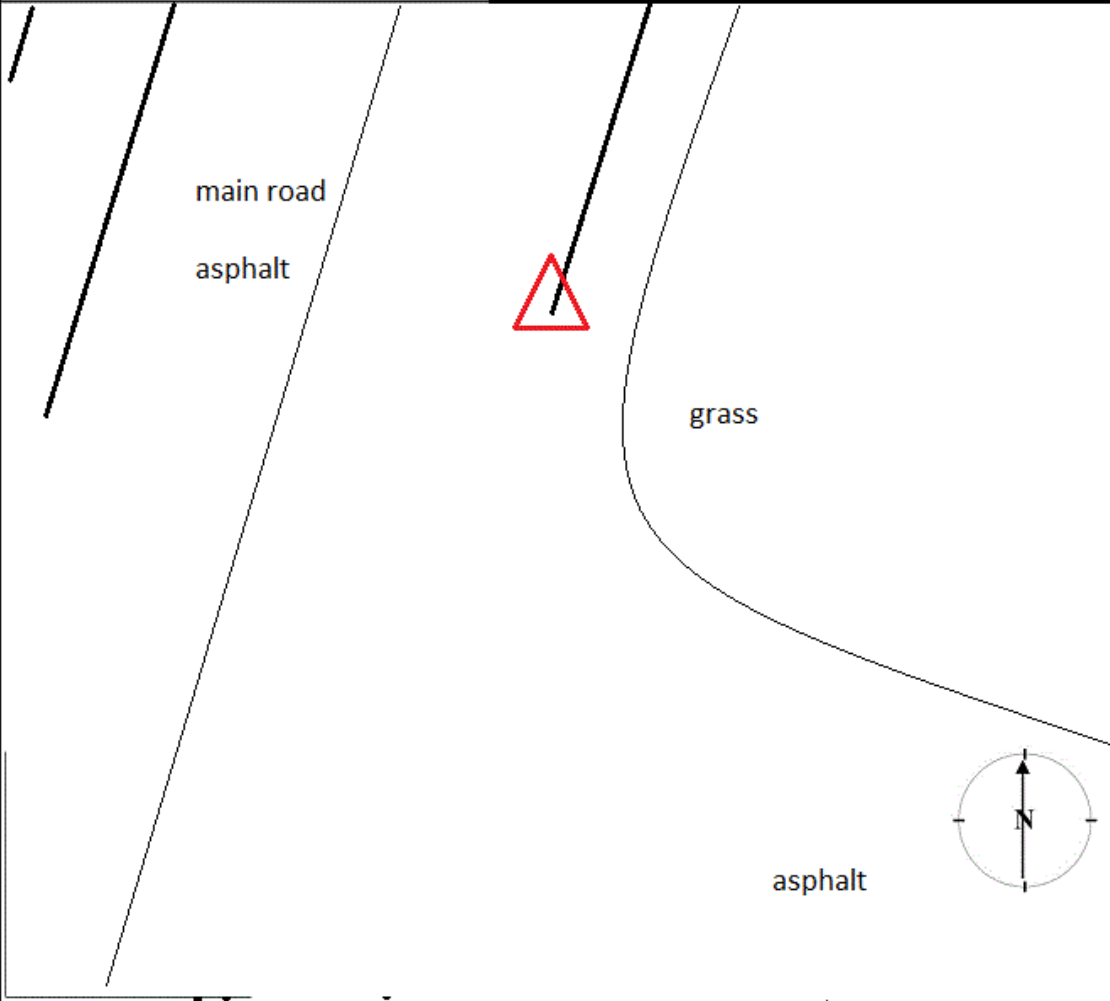
## GCP Station Diagram for Aerial & Satellite Imagery

<b>Project Name:</b> Becker County	<b>GCP Number:</b> CAL3022
<b>CDI Project Number:</b> 6720	<b>Date:</b> 05/03/2022
	
<b>Feature Elevation:</b>	
<input style="width: 100%; height: 40px;" type="text"/>	
<b>GPS Antenna Height:</b> 2.000 meters	<b>Mode (BOAM, BOQR, other):</b> BOQR
<b>Description:</b> The point sits at the corner of a white painted fog line.	
<b>Feature elevation (m):</b>	
<b>Collected By:</b> NM	<b>Sketch</b> <u>  1  </u> <b>of</b> <u>  1  </u>

## GCP Station Diagram for Aerial & Satellite Imagery

<b>Project Name:</b> Becker County	<b>GCP Number:</b> CAL3023
<b>CDI Project Number:</b> 6720	<b>Date:</b> 05/04/2022
<b>Feature Elevation:</b>	Field
<div style="border: 1px solid black; width: 100px; height: 40px;"></div>	
<b>GPS Antenna Height:</b> 2.000 meters	<b>Mode (BOAM, BOQR, other):</b> BOQR
<b>Description:</b> The point sits at the corner of a white painted traffic stripe	
<b>Feature elevation (m):</b>	
<b>Collected By:</b> NM	<b>Sketch</b> <u>  1  </u> <b>of</b> <u>  1  </u>

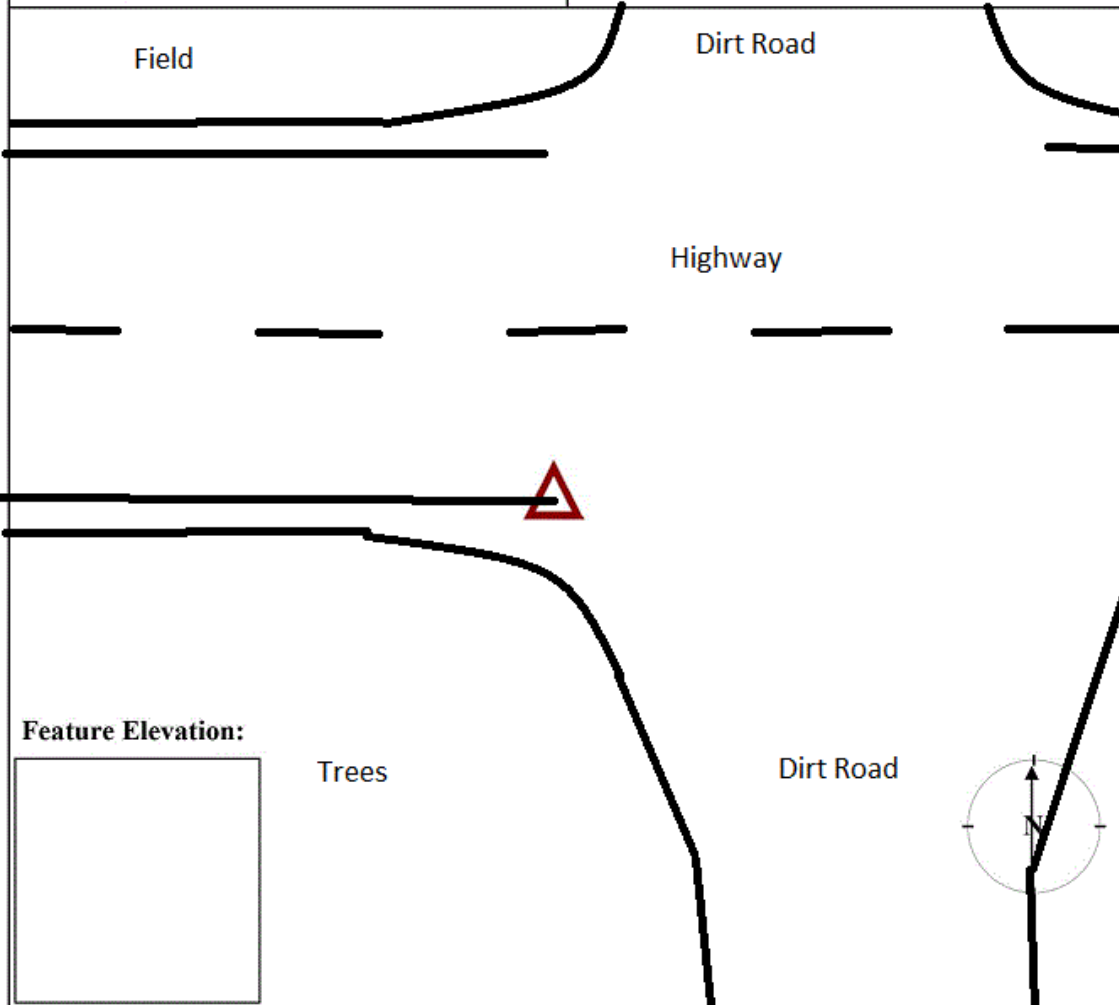
## GCP Station Diagram for Aerial & Satellite Imagery

<b>Project Name:</b> Becker County	<b>GCP Number:</b> CAL3023 ALT
<b>CDI Project Number:</b> 6720	<b>Date:</b> 05/04/2022
	
<b>GPS Antenna Height:</b> 2.000 meters <b>Mode (BOAM, BOQR, other):</b> BOQR	
<b>Description:</b> The point sits at the corner of a white painted fogline.	
<b>Feature elevation (m):</b>	
<b>Collected By:</b> NM	<b>Sketch</b> <u>  1  </u> <b>of</b> <u>  1  </u>

## GCP Station Diagram for Aerial & Satellite Imagery

<b>Project Name:</b> Becker County	<b>GCP Number:</b> CAL3024
<b>CDI Project Number:</b> 6720	<b>Date:</b> 05/07/2022
<b>Feature Elevation:</b>	
<b>GPS Antenna Height:</b> 2.000 meters	<b>Mode (BOAM, BOQR, other):</b> BOQR
<b>Description:</b> The point sits at the corner of a white painted fog line	
<b>Feature elevation (m):</b>	
<b>Collected By:</b> NM	<b>Sketch</b> <u>  1  </u> <b>of</b> <u>  1  </u>

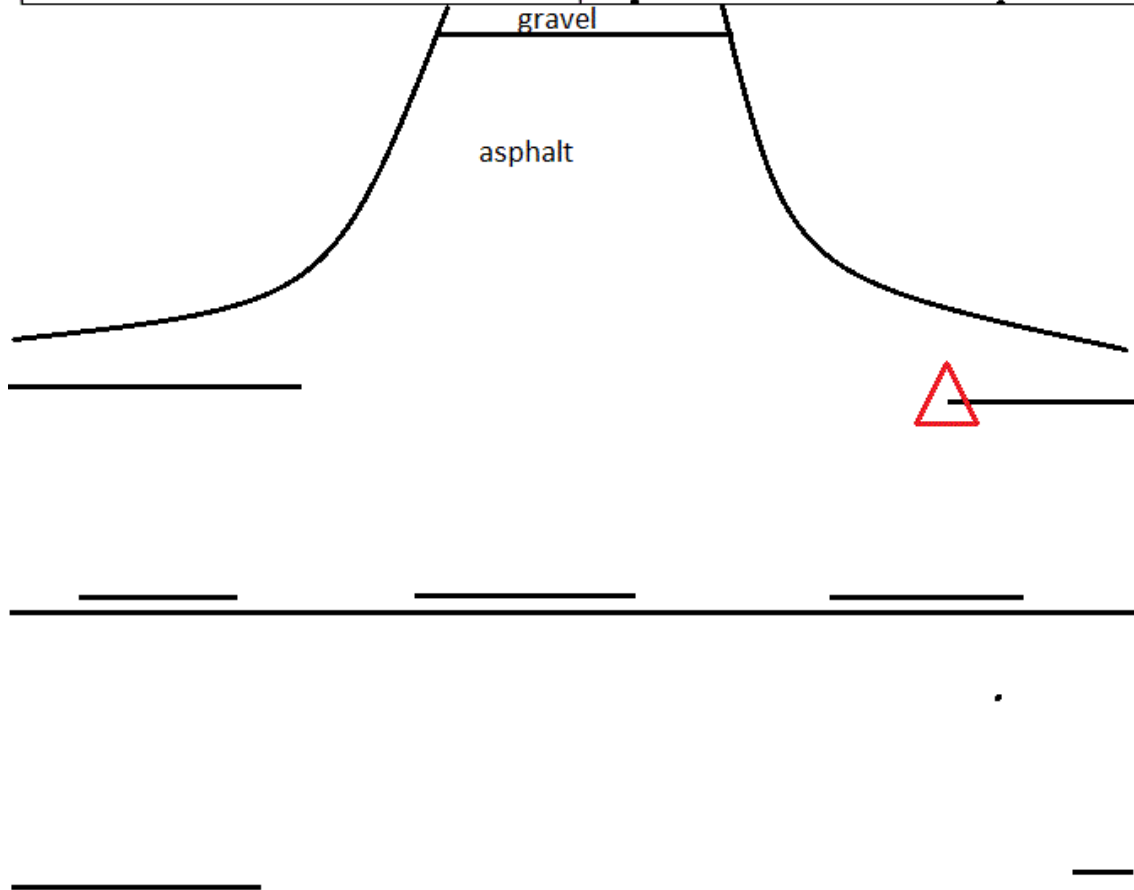
## GCP Station Diagram for Aerial & Satellite Imagery

<b>Project Name:</b> Becker County	<b>GCP Number:</b> CAL3025
<b>CDI Project Number:</b> 6720	<b>Date:</b> 05/07/2022
Field	Dirt Road
Highway	
Feature Elevation:	Dirt Road
Trees	Dirt Road
<div style="display: flex; justify-content: space-between; align-items: center;"> <div style="border: 1px solid black; width: 100px; height: 100px; margin-bottom: 5px;"></div> <div style="text-align: center;">  </div> </div>	
<b>GPS Antenna Height:</b> 2.000 meters	<b>Mode (BOAM, BOQR, other):</b> BOQR
<b>Description:</b> The point sits at the corner of a white painted fog line	
<b>Feature elevation (m):</b>	
<b>Collected By:</b> NM	<b>Sketch</b> <u>  1  </u> of <u>  1  </u>

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## GCP Station Diagram for Aerial & Satellite Imagery

<b>Project Name:</b> Becker County	<b>GCP Number:</b> CAL3025ALT
<b>CDI Project Number:</b> 6720	<b>Date:</b> 05/07/2022



<b>GPS Antenna Height:</b> 2.000 meters	<b>Mode (BOAM, BOQR, other):</b> BOQR
<b>Description:</b> The point sits at the corner of a white painted fog line	
<b>Feature elevation (m):</b>	
<b>Collected By:</b> NM	<b>Sketch</b> <u>  1  </u> <b>of</b> <u>  1  </u>



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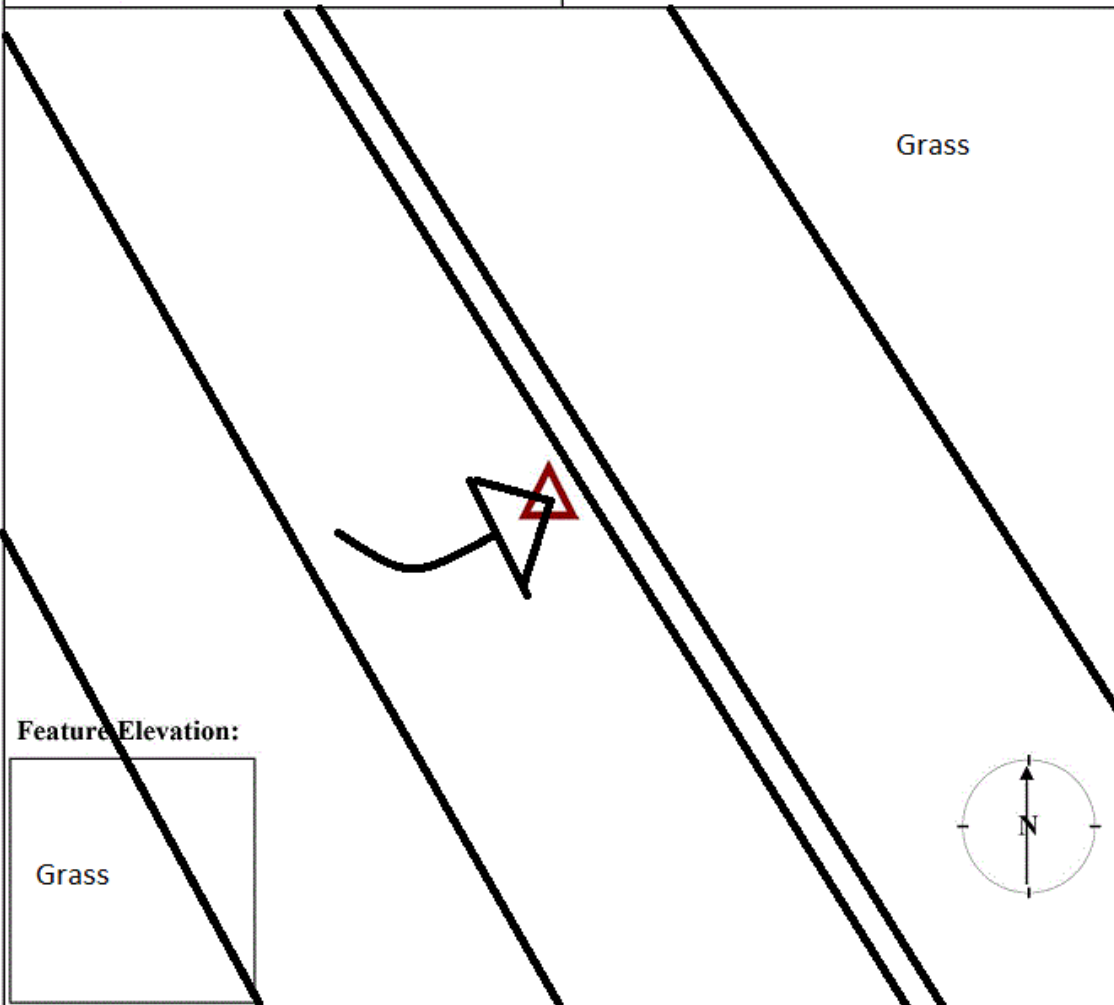
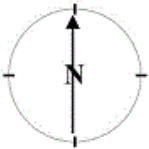
## GCP Station Diagram for Aerial & Satellite Imagery

<b>Project Name:</b> Becker County	<b>GCP Number:</b> CAL3026
<b>CDI Project Number:</b> 6720	<b>Date:</b> 05/05/2022
<b>Feature Elevation:</b>	<b>Mode (BOAM, BOQR, other):</b> BOQR
<div style="border: 1px solid black; width: 100px; height: 100px; display: flex; align-items: center; justify-content: center;">             Dirt Road           </div>	<b>Description:</b> The point sits at the corner of a white painted fog line
<b>Feature elevation (m):</b>	
<b>Collected By:</b> NM	<b>Sketch</b> <u>  1  </u> <b>of</b> <u>  1  </u>

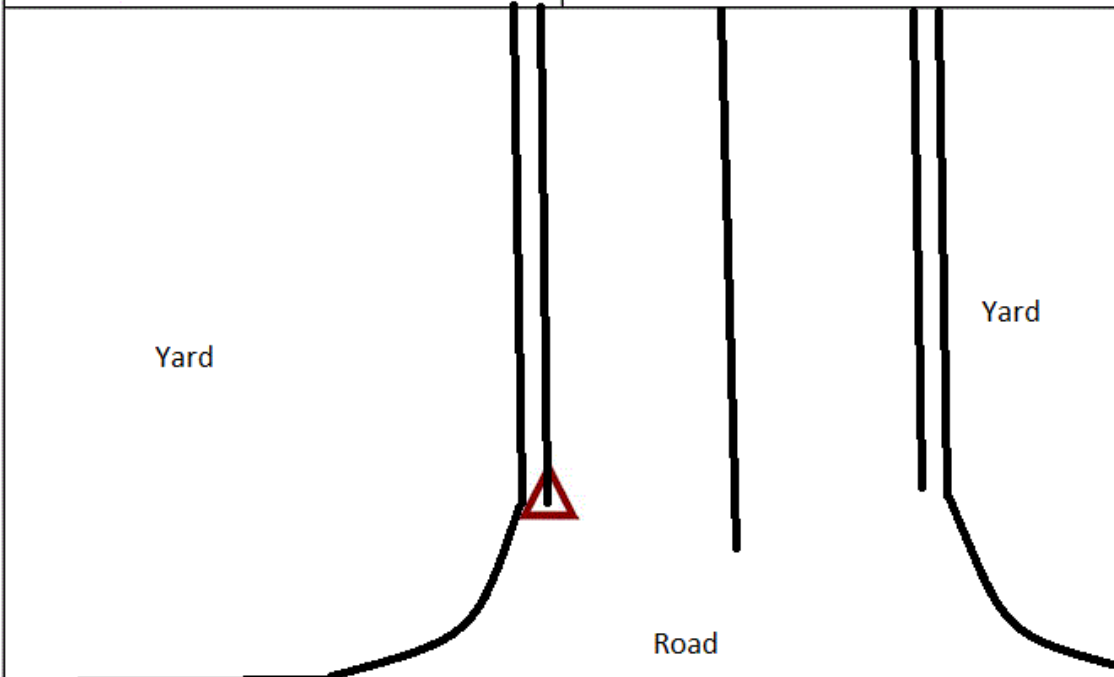
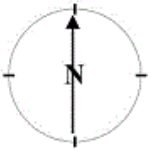
## GCP Station Diagram for Aerial & Satellite Imagery

<b>Project Name:</b> Becker County	<b>GCP Number:</b> CAL3027
<b>CDI Project Number:</b> 6720	<b>Date:</b> 05/05/2022
<b>Feature Elevation:</b>	Road
<div style="border: 1px solid black; width: 100%; height: 100%;"></div>	
<b>GPS Antenna Height:</b> 2.000 meters <b>Mode (BOAM, BOQR, other):</b> BOQR	
<b>Description:</b> The point sits at The corner of a white painted traffic stripe	
<b>Feature elevation (m):</b>	
<b>Collected By:</b> NM	<b>Sketch</b> <u>  1  </u> <b>of</b> <u>  1  </u>

## GCP Station Diagram for Aerial & Satellite Imagery

<b>Project Name:</b> Becker County	<b>GCP Number:</b> CAL3027_ALT
<b>CDI Project Number:</b> 6720	<b>Date:</b> 05/05/2022
	
<b>Feature Elevation:</b>	
<div style="border: 1px solid black; width: 100px; height: 100px; display: flex; align-items: center; justify-content: center;">             Grass           </div>	<b>GPS Antenna Height:</b> 2.000 meters
	<b>Mode (BOAM, BOQR, other):</b> BOQR
<b>Description:</b> The point sits at the tip of a white painted traffic arrow	
<b>Feature elevation (m):</b>	
<b>Collected By:</b> NM	<b>Sketch</b> <u>  1  </u> of <u>  1  </u>

## GCP Station Diagram for Aerial & Satellite Imagery

<b>Project Name:</b> Becker County	<b>GCP Number:</b> CAL3028
<b>CDI Project Number:</b> 6720	<b>Date:</b> 05/07/2022
	
<b>Feature Elevation:</b>	
<input style="width: 100%; height: 100%;" type="text"/>	
<b>GPS Antenna Height:</b> 2.000 meters	<b>Mode (BOAM, BOQR, other):</b> BOQR
<b>Description:</b> The point sits at the corner of a white painted fog line	
<b>Feature elevation (m):</b>	
<b>Collected By:</b> NM	<b>Sketch</b> <u>  1  </u> <b>of</b> <u>  1  </u>

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## GCP Station Diagram for Aerial & Satellite Imagery

<b>Project Name:</b> Becker County	<b>GCP Number:</b> CAL3028 ALT
<b>CDI Project Number:</b> 6720	<b>Date:</b> 05/07/2022
<b>Feature Elevation:</b>	
<div style="border: 1px solid black; width: 100%; height: 40px;"></div>	
<b>GPS Antenna Height:</b> 2.000 meters	<b>Mode (BOAM, BOQR, other):</b> BOQR
<b>Description:</b> The point sits at the corner of a white painted fog line	
<b>Feature elevation (m):</b>	
<b>Collected By:</b> NM	<b>Sketch</b> <u>  1  </u> <b>of</b> <u>  1  </u>


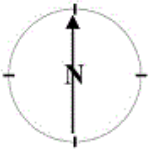
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## GCP Station Diagram for Aerial & Satellite Imagery

<b>Project Name:</b> Becker County	<b>GCP Number:</b> CAL3029_ALT
<b>CDI Project Number:</b> 6720	<b>Date:</b> 05/04/2022
<b>Feature Elevation:</b>	
<div style="border: 1px solid black; width: 100%; height: 100%;"></div>	
<b>GPS Antenna Height:</b> 2.000 meters	<b>Mode (BOAM, BOQR, other):</b> BOQR
<b>Description:</b> The point sits at the corner of a white painted crosswalk bar.	
<b>Feature elevation (m):</b>	
<b>Collected By:</b> NM	<b>Sketch</b> <u>  1  </u> <b>of</b> <u>  1  </u>

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## GCP Station Diagram for Aerial & Satellite Imagery

<b>Project Name:</b> Becker County	<b>GCP Number:</b> CAL3030
<b>CDI Project Number:</b> 6720	<b>Date:</b> 05/08/2022
Grass	
	
Turn Lane	
<b>Feature Elevation:</b>	
<div style="border: 1px solid black; width: 100%; height: 100%;"></div>	
Highway	
<b>GPS Antenna Height:</b> 2.000 meters	<b>Mode (BOAM, BOQR, other):</b> BOQR
<b>Description:</b> The point sits at the corner of the easternmost traffic arrow at the intersection.	
<b>Feature elevation (m):</b>	
<b>Collected By:</b> NM	<b>Sketch</b> <u>  1  </u> <b>of</b> <u>  1  </u>

## GCP Station Diagram for Aerial & Satellite Imagery

<b>Project Name:</b> Becker County	<b>GCP Number:</b> CAL3031
<b>CDI Project Number:</b> 6720	<b>Date:</b> 05/07/2022
<b>Feature Elevation:</b>	Scrub and Trees
<b>GPS Antenna Height:</b> 2.000 meters	<b>Mode (BOAM, BOQR, other):</b> BOQR
<b>Description:</b> The point sits at the corner of a white painted fog line	
<b>Feature elevation (m):</b>	
<b>Collected By:</b> NM	<b>Sketch</b> <u>  1  </u> <b>of</b> <u>  1  </u>



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## GCP Station Diagram for Aerial & Satellite Imagery

<b>Project Name:</b> Becker County	<b>GCP Number:</b> CAL3032
<b>CDI Project Number:</b> 6720	<b>Date:</b> 05/05/2022
<b>Feature Elevation:</b>	
<b>GPS Antenna Height:</b> 2.000 meters	<b>Mode (BOAM, BOQR, other):</b> BOQR
<b>Description:</b> The point sits at the corner of a white painted fog line	
<b>Feature elevation (m):</b>	
<b>Collected By:</b> NM	<b>Sketch</b> <u>  1  </u> <b>of</b> <u>  1  </u>

# STATION PICTURES



























































